

## **CLAIMS**

**1. A welding method for a welding method using a welding material having a low transformation temperature, which comprises performing arc welding by using only rare gas as shielding gas.**

**2. A welding method for a welding method using a welding material having a low transformation temperature, which comprises performing arc welding by using a mixed gas of rare gas and oxygen gas as shielding gas.**

**3. The welding method according to claim 2, wherein the content of oxygen gas is 8% or less by volume.**

**4. The welding method of any of claims 1 to 3, wherein the welding method is TIG welding.**

**5. A welding method for a welding method using a welding material having a low transformation temperature, which comprises performing additional welding while avoiding heat history of the welding material of low transformation temperature by welding temperature.**

**6. The welding method according to claim 5, being a welding method using a welding material having a low transformation temperature, wherein additional welding is performed from the upper side by way of the side face to the lower side of the welding toe part of end portion of a horizontal annex plate.**

**7. The welding method according to claim 5 or 6, wherein additional welding is performed while moving so that the weld line may become linear.**

**8. The welding method according to any of claims 5 to 7, wherein the method is arc welding using a welding material having a low transformation temperature.**

**9. The welding method according to claim 8, wherein only rare gas is used as shielding gas.**

**10. The welding method according to claim 8, wherein a mixed gas of rare gas and oxygen gas is used as shielding gas.**

**11. The welding method of claim 10, wherein the content of oxygen gas is 8% or less by volume.**